

I CLAIM:

A hand tool for handling a work piece, comprising:

a body portion having therein an adjustable upper flat surfaced angular slidable jaw portion oriented to securely grasp a workpiece therein, having provided thereon an

5 extended member containing an outer side surface of ratcheted teeth, and a spring actuated notched dog pivoted in a body chamber to engage said ratcheted teeth and means for holding said upper flat surfaced angular slidable jaw portion in a cooperative position;

an opposing lower flat surfaced angular movable jaw portion in said body portion thereof,

10 oriented to securely grasp said workpiece therein; and

a pivoted lever handle therein, having thereon a cam shaped end, held in a neutral position in said body chamber by a retaining spring, when grasped and moved towards said body in a cranking motion, moves a connected link held in tension by a spring in said body chamber, in a downward position causing a second connected pivoted notched

15 device in said body chamber, held in constant position by a retaining spring in said body chamber, to engage said teeth of said upper flat surfaced angular slidable jaw portion to move said upper flat surfaced angular slidable jaw portion to a desired position towards said opposing lower flat surfaced angular movable jaw

portion thereby engaging said workpiece firmly between said opposing upper and lower

20 jaws; and

said cam action means on said lever handle cam shaped end, urges said lower flat surfaced angular movable jaw portion to exert positive gripping force on said workpiece therein; and releasing said grasp on said lever handle and moving said lever handle away from said body beyond said neutral position, releases said spring actuated pivoted

25 notched dog and said pivoted notch device away from said upper flat surfaced angular

slidable jaw notches allowing a compression spring means in said body chamber to move said upper flat surfaced angular slidable jaw portion away from said workpiece and said opposing lower flat surfaced angular

movable jaw portion to a fully open position whereby allowing the operator of said hand
5 tool means to disengage said hand tool from said workpiece quickly to engage other workpieces of various sizes.

2. The hand tool of claim 1 wherein said workpieces may be hex nuts having obtrusive irregularities at the intersections of its hex-angular surfaces, whereby a groove is adapted at the intersection of the inner surfaces of the said upper flat surfaced angular slidable
10 jaw portion and said lower flat surfaced angular movable jaw portion to receive said obtrusive irregularities of said workpiece on said jaw gripping areas.

3. The hand tool of claim 1 wherein said adjustable upper flat surfaced angular slidable jaw portion contains thereon serrated areas on the outer surfaces means to apply force to move said upper flat surfaced angular slidable jaw portion towards said lower flat surfaced
15 angular movable jaw portion to engage said workpiece firmly between said upper and lower jaws.

4. The hand tool of claim 1 wherein said adjustable upper flat surfaced angular slidable jaw portion contains thereon serrated thumb pulls means for applying force to move said upper flat surfaced angular slidable jaw portion towards said lower flat surfaced angular
20 movable jaw portion to engage said workpiece firmly between said upper and lower jaws.

5. The hand tool of claim 1 wherein said lower flat surfaced angular movable jaw portion contains thereon alignment appendages means to allow said lower flat surfaced angular movable jaw portion to move laterally in alignment slits in said body allowing said cam action means to exert said positive gripping force on said workpiece therein.

25 6. The hand tool of claim 1 wherein pivot pins means connect said links to said pivoted

lever handle, said notched dog and said notched device.

7. The hand tool of claim 1 wherein pivot pin means connect said pivoted lever handle to said body.

8. The hand tool of claim 1 wherein body pins means allow said upper flat surfaced
5 angular slidable jaw portion to move laterally with alignment slits therein.

9. The hand tool of claim 1 wherein said workpieces may be pipes and pipe fittings, whereby said upper flat slidable jaw portion and opposing said lower flat movable jaw portion have slanted serrated gripping surface means for handling round workpieces.

10. The hand tool of claim 1 wherein said workpieces may be damaged or irregular in
10 shape, whereby said upper angular slidable jaw portion and opposing said lower angular movable jaw portion have serrated gripping surface means for handling said workpieces.

11. The hand tool of claim 1 wherein said workpieces may be hex angular or square, whereby said upper slidable jaw portion and opposing said lower movable jaw portion have flat gripping surface means for handling said workpieces.